

# Ways to participate in ongoing regulation around artificial intelligence in the United States (U.S.)

Wilhelmina Randtke, 2023 LD4 Conference, July 10-15, 2023

## National Artificial Intelligence Initiative

- Currently developing and implementing a unified federal approach to AI. According to the National Artificial Intelligence Initiative Act of 2020, roll out will take place 2020 - 2025.
- 7 key strategies, 1 of which is “Understand and address the ethical, legal, and societal implications of AI”
- Has a website at ai.gov which describes government structures in the U.S.

## GLAM’s unique in-depth understanding of Ethical AI

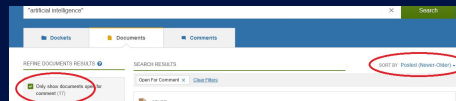
- Many past ethical issues with AI have traced back to data problems.
- For ethical and societal implications, GLAM is motivated for social good. Projects like CritCat explore ethics of classification.
- The linked data community has long term connections with machine learning.
  - Metadata is key to machine learning. Visual datasets, like ImageNet, include metadata and machine learning for images used both pics and metadata.
  - Ontologies are key to machine learning. A machine learning algorithm gets dramatically better results when paired with an ontology to better process text.

## Ways to Participate

- The National Artificial Intelligence Initiative, and each federal agency involved in implementation is currently going through cycles of seeking feedback. At this time, questions are open ended and broad, so there is an opportunity to influence big picture policy direction.
- Agencies post questions, information about public meetings, and draft documents to regulations.gov .
- To find upcoming open meetings, search, sort by date, filter to “Notice”, and skim recent entries.



- To find requests for comment or answers to written questions from the agencies, search, sort by date, and filter to “Only show documents open for comment”. Click “Comment” along the top of the page to file a comment.



## Examples of recent questions from government:

- [Request for Information: National Priorities for Artificial Intelligence. 88 FR 34.194 \(May 26, 2023\).](#)
- [Request for Information to the Update of the National Artificial Intelligence Research and Development Strategic Plan. 87 FR 5.876 \(March 4, 2022\).](#)
- [Request for Comment on AI Accountability Policy. 88 FR 22.433 \(April 13, 2023\).](#)
- [Request for Information: Automated Worker Surveillance and Management. 88 FR 27.932 \(May 3, 2023\).](#)
- [Notice of Request for Information \(RFI\) on Public and Private Sector Uses of Biometric Technologies. 86 FR 56.300 \(October 8, 2021\).](#)
- Past questions have been in plain language and broad.
- As 2025 approaches and passes, comments will shift to requesting feedback on potential regulations and on policy documents.



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## Linked data and ethics:

- From LD4: Bri Watson, Alexandra Provo, and Kathleen Burlingame, Ethics in Linked Data Book Panel, LD4 2023, Virtual, July 11, 2023. Retrieved from <https://2023ld4conferenceonlinkeddata.sched.com/event/1OUPU/ethics-in-linked-data-book-panel> .
- Bri Watson, Alexandra Provo, and Kathleen Burlingame, Ethics in Linked Data, Litwin Books (2023).
- From LD4: Bri Watson, Allison Bailund, and Erin Canning, Linking Ethics & Data: The Creation and Use of the Ethics In Linked Data Checklist, LD4 2022, Virtual, July 11, 2022. Retrieved from <https://2022ld4conferenceonlinkeddata.sched.com/event/13scO/linking-ethics-data-the-creation-and-use-of-the-ethics-in-linked-data-checklist> .

## Government process and resources:

- National Artificial Intelligence Initiative Office, National Artificial Intelligence Initiative website, <https://www.ai.gov/> .
- The National Artificial Intelligence Initiative Act of 2020, Pub. L. 116–283, 134 Stat. 3388 (Jan. 1, 2021). Available at <https://www.ai.gov/wp-content/uploads/2023/04/National-Artificial-Intelligence-Initiative-Act-of-2020.pdf> .
- Office of the Federal Register, A Guide to the Rulemaking Process, [https://www.federalregister.gov/uploads/2011/01/the\\_rulemaking\\_process.pdf](https://www.federalregister.gov/uploads/2011/01/the_rulemaking_process.pdf) (2011).

# Sources

## Data problems and AI bias

- Timnit Gebru, Jamie Morgenstern, Briana Vecchione, Jennifer Wortman Vaughan, Hanna Wallach, Hal Daume III, Kate Crawford, Datasheets for Datasets (2021). Available at <https://arxiv.org/pdf/1803.09010.pdf> .
- Dastin, J. (2018, Oct. 10). Amazon scraps secret AI recruiting tool that showed bias against women. Reuters. <https://www.reuters.com/article/us-amazon-com-jobs-automation-insight-idUSKCN1MK08G> .
- Julia Angwin, Jeff Larson, Surya Mattu and Lauren Kirchner, Machine Bias, Pro Publica (May 23, 2016). Retrieved from <https://www.propublica.org/article/machine-bias-risk-assessments-in-criminal-sentencing> .
- Virginia Eubanks, Automating Inequality, St. Martin's Press (2018).
- Kate Crawford, Atlas of AI, Yale University Press (2021).
- Cathy O'Neil, Weapons of Math Destruction: How Big Data Increases Inequality and Threatens Democracy, Crown (2016).

## Linked data and AI

- From LD4: Jeremy Nelson, Workshop: Visualizing and Training Sinopia Linked Data with Pandas, spaCy, and PyTorch (July 19, 2021). <https://ld42021.sched.com/event/jo9G/workshop-visualizing-and-training-sinopia-linked-data-with-pandas-spacy-and-pytorch> .
- Pascal Feillard, How ontologies can give machine learning a competitive edge, Engineering and Technology, (April 20, 2021). <https://eandt.theiet.org/content/articles/2021/04/how-ontologies-can-give-machine-learning-a-competitive-edge/> .
- From LD4: Jason Camlot, Tomasz Neugebauer, and Francisco Berrizbeitia, An Interactive AI-based Approach to Semantic Applications for Archival Metadata, LD4 2022, Virtual, July 12, 2022. Retrieved from <https://2022ld4conferenceonlinkeddata.sched.com/event/13scg/an-interactive-ai-based-approach-to-semantic-applications-for-archival-metadata> .

